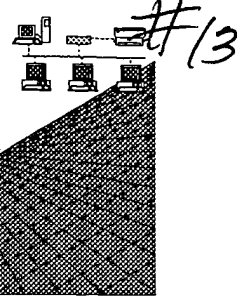


n/a

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING

ERROR REPORT

APR 17 2000

TECH CENTER 1500/2500

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/186,869
Art Unit / Team No. : 1634
Date Processed by STIC: 5/20/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/186,869

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 _____ Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 _____ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 _____ Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 _____ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 _____ Variable Length Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 _____ PatentIn ver. 2:0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.
- 8 _____ Skipped Sequences Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 _____ Skipped Sequences Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 _____ Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 _____ Use of <213>Organism Sequence(s) _____ are missing this mandatory field or its response.
(NEW RULES)
- 12 _____ Use of <220>Feature Sequence(s) _____ are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 _____ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

N/A

APR 17 1999

1634

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/186,869

DATE: 05/20/1999

TIME: 11:46:38

Input Set: I186869.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

see pg. 5, 2, 4

Does Not Comply
Corrected Diskette Needed

E--> 1 <110> Hasel, Karl W.
2 Hilbush, Brian S.
3 <120> Method For Indexing And Determining
4 The Relative Concentration Of Expressed Messenger RNAs
5 <130> 98,429
6 <140> US/09/186,869
7 <141> 1998-11-04
8 <160> 51
9 <210> 1
10 <211> 14
11 <212> DNA
12 <213> Artificial Sequence
13 <220>
14 <223> Description of Artificial Sequence:synthetic
15 primer
16 <400> 1
17 aactggaaga attc
18 <210> 2
19 <211> 14
20 <212> DNA
21 <213> Artificial Sequence
22 <220>
23 <223> Description of Artificial Sequence:synthetic
24 primer
25 <400> 2
26 gaattcaact ggaa
27 <210> 3
28 <211> 46
29 <212> DNA
30 <213> Artificial Sequence
31 <220>
32 <223> Description of Artificial Sequence:synthetic
33 primer
34 <400> 3
35 aactggaaga attcgcggcc gcaggaattt tttttttttt tttttv
36 <210> 4
37 <211> 47
38 <212> DNA
39 <213> Artificial Sequence
40 <220>
41 <223> Description of Artificial Sequence:synthetic
42 primer
43 <400> 4
W--> 44 aactggaaga attcgcggcc gcaggaattt tttttttttt tttttv

← insert a hard return after "51", so that the
"<170>" numeric
identifier and
regions can be shown.
They are at far right
margin.

14

14

46

all item 10 on Euro
summary sheet

47

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/186,869

DATE: 05/20/1999

TIME: 11:46:38

Input Set: I186869.RAW

45 <210> 5
 46 <211> 48
 47 <212> DNA
 48 <213> Artificial Sequence
 49 <220>
 50 <223> Description of Artificial Sequence:synthetic
 51 primer
 52 <400> 5
 W--> 53 aactggaaga attcgcggcc gcaggaattt tttttttttt tttttvnn 48
 54 <210> 6
 55 <211> 47
 56 <212> DNA
 57 <213> Artificial Sequence
 58 <220>
 59 <223> Description of Artificial Sequence:synthetic
 60 primer
 61 <400> 6
 62 gaattcaact ggaagcggcc cgcaggaatt tttttttttt ttttttv 47
 63 <210> 7
 64 <211> 48
 65 <212> DNA
 66 <213> Artificial Sequence
 67 <220>
 68 <223> Description of Artificial Sequence:synthetic
 69 primer
 70 <400> 7
 W--> 71 gaattcaact ggaagcggcc cgcaggaatt tttttttttt tttttvnn 48
 72 <210> 8
 73 <211> 49
 74 <212> DNA
 75 <213> Artificial Sequence
 76 <220>
 77 <223> Description of Artificial Sequence:synthetic
 78 primer
 79 <400> 8
 W--> 80 gaattcaact ggaagcggcc cgcaggaatt tttttttttt tttttvnn 49
 81 <210> 9
 82 <211> 116
 83 <212> DNA
 84 <213> Artificial Sequence
 85 <220>
 86 <223> Description of Artificial Sequence:synthetic
 87 primer
 88 <400> 9
 89 gagctccacc gcggtgtcac gactatctgc ggccgcatgc ccgggaatgg cgcctcgaga 60
 90 cgtctttatc gataccgtcg acctcgaact cgagacgtcc cgggcgccta ggtacc 116
 91 <210> 10

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/186,869

DATE: 05/20/1999
TIME: 11:46:38

Input Set: I186869.RAW

```

92  <211> 113
93  <212> DNA
94  <213> Artificial Sequence
95  <220>
96  <223> Description of Artificial Sequence:synthetic
97      primer
98  <400> 10
99      gagctcgttt tccagtcac gactatctgc ggccgcatgc ccgggaatgg cgcctcgaga 60
100     cgttatcgat tagcctgact gaagactcga gacgtcccgg gcgcctaggt acc 113
101  <210> 11
102  <211> 113
103  <212> DNA
104  <213> Artificial Sequence
105  <220>
106  <223> Description of Artificial Sequence:synthetic
107      primer
108  <400> 11
109     gagctcgttt tccagtcac gactatctgc ggccgcatgc ccgggaatgg cgcctcgaga 60
110     cgtctatata gattagcctg actgaagact cgagacgtcc cgggctaggt acc 113
111  <210> 12
112  <211> 62
113  <212> DNA
114  <213> Artificial Sequence
115  <220>
116  <223> Description of Artificial Sequence:synthetic
117      primer
118  <400> 12
119     gcggccgcat agatctgata tcggatcctc accacagagc tcagtgagag agatctctcg 60
120     ag 62
121  <210> 13
122  <211> 62
123  <212> DNA
124  <213> Artificial Sequence
125  <220>
126  <223> Description of Artificial Sequence:synthetic
127      primer
128  <400> 13
129     gcggccgcat ccatgggata tcgcatgctc accacagtcg acagtgagag ccatggctcg 60
130     ag 62
131  <210> 14
132  <211> 16
133  <212> DNA
134  <213> Artificial Sequence
135  <220>
136  <223> Description of Artificial Sequence:synthetic
137      primer
138  <400> 14
139     aggtcgacgg tatcgg 16
140  <210> 15
141  <211> 17

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/186,869DATE: 05/20/1999
TIME: 11:46:38

Input Set: I186869.RAW

142 <212> DNA
143 <213> Artificial Sequence
144 <220>
145 <223> Description of Artificial Sequence:synthetic
146 primer
147 <400> 15
W--> 148 aggtcgacgg tatcggn 17
149 <210> 16
150 <211> 18
151 <212> DNA
152 <213> Artificial Sequence
153 <220>
154 <223> Description of Artificial Sequence:synthetic
155 primer
156 <400> 16
W--> 157 aggtcgacgg tatcggnn 18
158 <210> 17
159 <211> 19
160 <212> DNA
161 <213> Artificial Sequence
162 <220>
163 <223> Description of Artificial Sequence:synthetic
164 primer
165 <400> 17
W--> 166 aggtcgacgg tatcggnnn 19
167 <210> 18
168 <211> 20
169 <212> DNA
170 <213> Artificial Sequence
171 <220>
172 <223> Description of Artificial Sequence:synthetic
173 primer
174 <400> 18
W--> 175 aggtcgacgg tatcggnnnn 20
176 <210> 19
177 <211> 21
178 <212> DNA
179 <213> Artificial Sequence
180 <220>
181 <223> Description of Artificial Sequence:synthetic
182 primer
183 <400> 19
W--> 184 aggtcgacgg tatcggnnnn n 21
185 <210> 20
186 <211> 22

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/186,869DATE: 05/20/1999
TIME: 11:46:38

Input Set: I186869.RAW

187 <212> DNA
188 <213> Artificial Sequence
189 <220>
190 <223> Description of Artificial Sequence:synthetic
191 primer
192 <400> 20
W--> 193 aggtcgacgg tatcgnnnn nn

22

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I186869.RAW

Line	? Error/Warning	Original Text
8	E # of Seq. 5117020 Not Equal Actual 51	<160> 51
44	W "N" or "Xaa" used: Feature required	aactggaaga attcgcggcc gcaggaattt tttttttt
53	W "N" or "Xaa" used: Feature required	aactggaaga attcgcggcc gcaggaattt tttttttt
71	W "N" or "Xaa" used: Feature required	gaattcaact ggaagcggcc cgcaggaatt tttttttt
80	W "N" or "Xaa" used: Feature required	gaattcaact ggaagcggcc cgcaggaatt tttttttt
148	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggn
157	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggnn
166	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggnnn
175	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggnnnn
184	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggnnnn n
193	W "N" or "Xaa" used: Feature required	aggtcgacgg tatcggnnnn nn
211	W "N" or "Xaa" used: Feature required	ggtcgacggt atcggn 16
220	W "N" or "Xaa" used: Feature required	gtcgacggtat tcggnn 16
229	W "N" or "Xaa" used: Feature required	tcgacggtat cggnnn 16
238	W "N" or "Xaa" used: Feature required	cgacggtatc ggnnnn 16
247	W "N" or "Xaa" used: Feature required	gacggtatcg gnnnnn 16
256	W "N" or "Xaa" used: Feature required	acggtatcgg nnnnnn 16
274	W "N" or "Xaa" used: Feature required	gctctgtggt gaggatcn 18
283	W "N" or "Xaa" used: Feature required	ctctgtggtg aggatcnn 18
292	W "N" or "Xaa" used: Feature required	tctgtggtga ggatcnnn 18
301	W "N" or "Xaa" used: Feature required	ctgtggtgag gatcnnnn 18
310	W "N" or "Xaa" used: Feature required	tgtggtgagg atcnnnnn 18
319	W "N" or "Xaa" used: Feature required	gtggtgagga tcnnnnnn 18
337	W "N" or "Xaa" used: Feature required	cgactgtggt gagcatgn 18
346	W "N" or "Xaa" used: Feature required	gactgtggtg agcatgnn 18
355	W "N" or "Xaa" used: Feature required	actgtggtga gcatgnnn 18
364	W "N" or "Xaa" used: Feature required	ctgtggtgag catgnnnn 18
373	W "N" or "Xaa" used: Feature required	tgtggtgagc atgnnnnn 18
382	W "N" or "Xaa" used: Feature required	gtggtgagca tgnnnnnn 18
454	W "N" or "Xaa" used: Feature required	gtcttcagtc aggctaactg gn 22
463	W "N" or "Xaa" used: Feature required	cctcgaggtc gacggtatcg gn 22